MEMORANDUM

REFER		NOTED	
TO	DATE	BY	DATE
RETURN TO			

TO: E. Boland
FROM: L. Guadagno
DATE: March 15, 1971
SUBJECT: THE WORLD TRADE CENTER - CONTRACT WTC-113.00 - TOWER A - ELEVATOR BANK C SHAFTS 39, 40 & 41
REFERENCE
COPY TO: C.A. Smith, File

Spray-on fireproofing work was performed by Mario & DiBono in Shafts 39, 40 & 41 from 2/4/71 to 2/17/71. This work was done during extremely cold temperatures in an attempt to meet existing construction schedules.

During a recent inspection of these shafts, it was noted that the Cafco fireproofing treated with Mark II overspray has not cured or hardened according to specifications. The writer believes that this improper hardening was caused by the low temperatures during which the Mark II sealer was applied.

This inspector recommends that shafts 39, 40 & 41 be re-sprayed with Mark II sealer.

L. Guadagno
Construction Inspector IV
The World Trade Center

LG/mk

Post Fire Testing

DOCUMENT DATA FORM **Your Name: Nick Carino**

Document Title or Description (max. 254 characters): Circle: Same as cover (or fill in below)
Memorandum to E. Boland regarding problems with application of SFRM in cold weather. (Spray-on fireproofing)

Source: ?	**Doc. ID (report #, dwg. #):**	
Document Date: March 15, 1971	**Document Author Name:** L. Guadagno	**Author Organization:** The World Trade Center

KEYWORDS – HIGHLIGHT ALL THAT APPLY

Level 1

Bankers Trust	Project 5	WTC 3 - Marriot Hotel
Below Grade	Project 6	WTC 4 - South Plaza Bldg.
Concourse	Project 7	WTC 5 - North Plaza Bldg.
Electrical Substation	Project 8	WTC 6 - Customs House
Liberty Plaza	WFC 1 - Oppenhiemer Dow	WTC 7
PATH Station	WFC 2 - Tower B	WTC Complex
Project 1	WFC 3 - American Express	WTC Plaza
Project 2	WFC 4 - Tower D	
Project 3	WTC 1 - North Tower	Add
Project 4	WTC 2 - South Tower	

Level 2

Accident analysis & risk	Fire protection	Misc. Performance Problems	Tenant alterations
Architectural	Fire service	News coverage	Tenant Space
Data request	Landscaping	Police	Add
Emergency management	Management	Security	
Evacuation	Mech./elec.	Structural	

Level 3

1993 explosion	Deck	Hat truss	Shop drawings
A/E fitout	Deflection	Human comfort	Shortening
A-242	Demolition	HVAC	Slab
A-36	Design	Index	Slurry wall
A-497	Detailing	Inspection	Smoke control
Aircraft impact	Doors	Insulation	Smoke test
Air cooled condensers	Drawings	Job number	Spandrel beam
Analysis	Eastern States Steel	Joist	Specifications
Angles	Egress	L-50	Splices
Antenna	Elevator	Lighting	Sprinkler
Artifacts	Emergency communications	Loads	Stability
Asbestos	Equipment	Maintenance	Stairways
Base plate	Erection marks	Marking	Standards
Beams	Escalator	Mesh reinforcement	Steel
Bid Invitation	Expansion joint	Mill inspection	Steel composition
Bow tie	Exterior columns	Model	Stiffness
Bracing	Fabrication	Mullion	Structural review
Bridging truss	Family member	Operations	Survivor
Calculations	Field survey	Paint	Tenant list
Carpet	Fire alarms	Partition layout	Testing
Ceilings	Fireproofing	Partitions	Tie
Certification	Fire spread	Photos	Tolerances
Chillers	Fire testing	Pipes	Transfer Girders
Cladding	Flag Pole	Plumbing	Triad
Collapse	Flammability	Prestressing	Truss
Columns	Floor	Probability, uncertainty	Vestibule
Communication systems	Floor load	Quality control	Vibration
Composite truss	Floor slab	Ramp	Walls
Computer output	Floor system	Reinforcing (strengthening)	Water supply
Computer program	Floor trusses	Renovation	Weather
Concrete	Foundations	Repair	Weight
Connections	Fracture	Research & Development	Weld detail
Construction	Frame	Roof	Weld size
Contract	Frame analysis	Safety	Welding
Core beams	Frequency	Schedule	Wind
Core columns	Fuel	Sculpture	Windows
Cranes	Furniture layout	Security system	Yield strength
Criteria	H Generators	Shear knuckle	
Dampers	Guidelines	Shear test	Add
Debris	Gypsum board	Shear Stud	